

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002670**Date Inspected:** 24-Sep-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG assembly plate -EP3029A -1 Piece and Shim plates, GGL-MQ-1973# -104 pieces for Washing and Degreasing at West Gate of the Blasting shop, vide inspection request no. 4414. This QA inspector observed, ABF inspector Mr. Helen, Mr. Wei and Mr. Turtle inspected these Shim plates and OBG assembly plate for proper removal of Grease and Dirts and accepted the same for Blasting. International protective coatings technical service representative Mr. Li Peng was found present during the course of this inspection process. (Photo of Shim plates after washing process is attached)

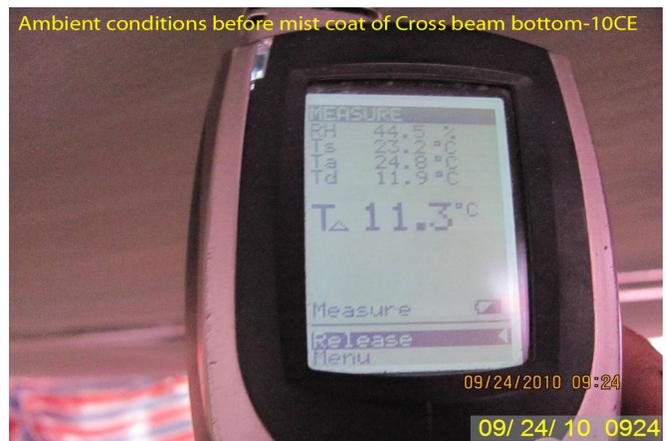
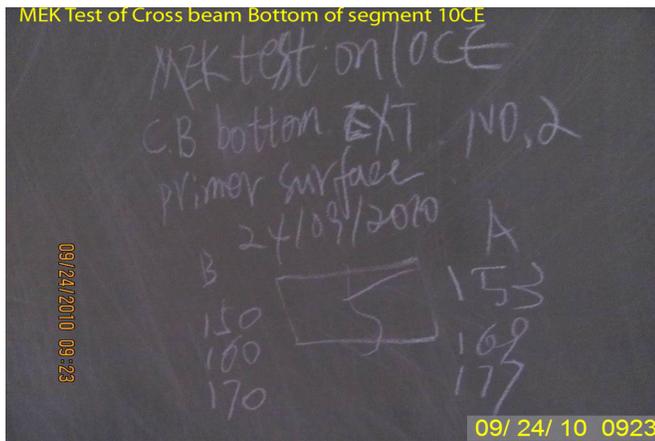
2. An inspection was requested on the OBG Cross beam bottom plate external surfaces, 10 CE, for DFT Check after Interzinc 22 application, Residual chlorides test and MEK test for Mist coat, vide inspection request no. 4415 at OBG trial assembly yard. This QA inspector observed, ABF inspector Mr. Sun, Mr. Wei, Mr. Turtle inspecting all the surfaces. The result of Salt test carried out by ZPMC inspectors at 1 place found to be in the range 20 US/CM and MEK test results conducted at 2 places found to be in the Gr. 5 which is acceptable as per Contract documents. Ambient conditions measured and found to be 11.3 deg. above dew point and the relative humidity found to be 47 % which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng was found present during the course of this inspection process. (Photo of MEK test result and ambient condition measurement with Dew point meter is attached)

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3. An inspection was requested on the OBG assembly plate -8 pieces for Surface preparation inspection , vide request no. 4417 at Blast shop 2. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Stone, Mr. Wei and Mr. Turtle performing the said inspection. These plates found accepted by ABF Inspectors after minor touch ups in edges which was not blasted as per the requirement of SSPC SP 10. The surface profile measured by ZPMC QC Inspectors found to be in the range of 75 to 84 microns which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng. was found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant Conversations

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michak Ng (15921845703), who represents the Office of Structural Materials for your project.

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Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer